



भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० ५] नई दिल्ली, शनिवार, जनवरी ३०, १९९३ (माघ १०, १९१४)

No. 5] NEW DELHI, SATURDAY, JANUARY 30, 1993 (MAGHA 10, 1914)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड २
[PART III—SECTION 2]

पेटेन्ट कायरिय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

The PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 30th January 1993

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PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial Jurisdiction on a zonal basis as shown below:—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West), Bombay-400 013.

The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

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Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS."

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees:—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 30 जनवरी 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवधित है तथा नई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादर्शिक क्षेत्राधिकार जोन के आधार पर निम्न रूप से प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परल, (पश्चम).
नई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा
दीव एवं दादरा और नाशर हवेली।

तार पता—“पेटोफिस”

पेटेंट कार्यालय शाखा,
एकम सं. 401 से 405, तीसरा तल,
गुराहामिलान बाजार भवन,
हरखती मार्ग, करोल बाग,
नई दिल्ली-110005।

हरिप्राणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—“पेटोफिक”

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, करेल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिस्ट्री तथा अमिनिदिवि इनीप।

तार पता—“पेटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)

निजाम पैलेस, दिवतीय बहुतलीय कार्यालय,
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020।

भारत का अवशेष क्षेत्र

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसृत बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

THE PATENT OFFICE

Calcutta, the 30th January 1993

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent bracket are the dates claimed under section 135, of the Patents Act, 1970.

17th December, 1992

901/Cal/92. Mark Controls Corporation. Non-planar flexible graphite sealing rings.

902/Cal/92. Karl storz. Instrument with a forceps-like needle holder.

903/Cal/92. Mitutoyo Corporation. Clamping assembly for measuring instrument.

18th December, 1992

904/Cal/92. Iol limited. An oxygen intensified fluidised bed reactor system for treating biological waste water effluent.

21st December, 1992

905/Cal/92. Dr. Rudolf Hezel. Method for manufacture of a solar cell and solar cell.

906/Cal/92. Siemens Aktiengesellschaft. Method for pre-soldering contact facings for electrical switching apparatuses, and a semi-finished product for use as contact facings.

907/Cal/92. Merck patent Gesellschaft mit beschränkter Haftung. Low-template clathrasil.

908/Cal/92. Merck Patent Gesellschaft mit bescharankter Haftung. Clathrasil of the dodecasil 1 H structural type having a small average crystal size.

22nd December, 1992

909/Cal/92. Lucky limited. Recombinant gene coding for human alpha interferon and expression vector ghereof, etc.

910/Cal/92. Eaton Corporation. Range section protection valve assembly.

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, 3RD FLOOR, KAROL BAGH,
NEW DELHI-110005

5th October, 1992

890/Del/92. Tomsky Gosudarstvenny Universitet Imeni V.V. Kuibysheva, "A process for the preparation of luminescent and selectively light absorbing materials". [Divisional date 2nd March, 1989].

7th October, 1992

891/Del/92. Rakesh Kumar Tyagi, & Others, "A process for the preparation of acidic henna leaf extract useful for the detection of proteins".

892/Del/92. De La Rue Giori S.A., "Wiping device of an intaglio printing machine".

893/Del/92. The Gillette Co., "Actuator and hood for dispensing device".

894/Del/92. Ciba Geigy AG., "Process for the preparation of hydroxyphenylcarboxylates".

8th October, 1992

895/Del/92. Council of Scientific & Industrial Research, "An improved device for the continuous production of direct reduced iron rod or slab and an improved process therefor using the said device".

896/Del/92. Council of Scientific & Industrial Research, "An improved process for the continuous production of a rod or a slab of direct reduced iron".

897/Del/92. Council of Scientific & Industrial Research, "An improved process for the continuous production of steel by the electroslag smelting of a rod or a slab made of direct reduced iron".

898/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of high silica mordantite".

9th October, 1992

899/Del/92. Prof. Dr. Harendra Chandra, "Chandra-R. shutters".

900/Del/92. The Procter & Gamble Co., "Detergent compositions inhibiting dye transfer in washing". (Convention date 14th October, 1991) (U.K.).

901/Del/92. The Procter & Gamble Co., "Improvements in rapidly dissolvable photoactivator dye compositions". [Divisional date 13th March, 1989 & Convention date 14th March, 1988] (U.K.).

902/Del/92. The Lubrizol Corporation, "A process for preparing a gasoline having enhanced water tolerance". [Divisional date 19th January, 1989].

903/Del/92. Sony Corporation, "Metal mold device for fabrication of disc substrate".

904/Del/92. Glaverbel, "Ceramic welding method and apparatus". (Convention date 15th October, 1991) (U.K.).

905/Del/92. Imperial Chemical Industries PLC., "Lubricants". (Convention date 11th October, 1991 & 22nd July, 1992) (U.K.).

12th October, 1992

906/Del/92. General Electric Co., "Integrated steam/air cooling system for gas turbines".

907/Del/92. General Electric Co., "Combustor external air staging device".

908/Del/92. General Electric Co., "Swirl gutters for isolating flow fields for combustion enhancement at non-baseloaded operating conditions".

909/Del/92. General Electric Co., "Flame holding diverging centerbody cup".

910/Del/92. General Electric Co., "Turbulated cooling passages in gas turbine buckets".

911/Del/92. General Electric Co., "Single stage dual mode combustor".

912/Del/92. Corning Incorporated, "Lithium disilicate-containing glass-ceramics some of which are self-glazing".

913/Del/92. Rohm & Haas Co., "Thickening agents".

914/Del/92. Rohm & Haas Co., "Latent thiol mercaptan chain transfer agents and their use in the synthesis of polymers".

915/Del/92. Sintermetallwerk Krebsoge GmbH, "A method for producing a powder forged article". [Divisional date 28-2-1989].

916/Del/92. Matworsk Norwegian Food Research Institute, "Method of food processing". (Convention date 11th October, 1991 & 22nd April, 1992) (U.K.).

13th October, 1992

917/Del/92. BP Chemicals Ltd. & Other, "Process for removing iodide compounds from carboxylic acids and carboxylic acid anhydrides". (Convention date 18th October, 1991) (U.K.).

918/Del/92. Exxon Chemical Patents, Inc., "Oil & Fuel oil compositions". (Convention date 22nd October, 1991) (U.K.).

919/Del/92. Exxon Chemical Patents, Inc., "Fuel oil compositions". (Convention date 18th October, 1991) (U.K.).

920/Del/92. BP Solar Ltd., "Electrochemical process". (Convention date 18th October, 1991) (U.K.).

14th October, 1992

921/Del/92. Council of Scientific & Industrial Research, "A process for the manufacture of cementitious lightweight aggregate from coal ash".

922/Del/92. Council of Scientific & Industrial Research, "A process for the manufacture of cementitious aggregates from red mud".

923/Del/92. Council of Scientific & Industrial Research, "A process for the production of paper slates".

924/Del/92. Council of Scientific & Industrial Research, & Other, "An equipment useful for testing wear/abrasion of processed poly(ether)ethylene components under simulated conditions".

925/Del/92. Council of Scientific & Industrial Research, "A process for the production of 1, 4-naphthoquinone".

926/Del/92. Council of Scientific & Industrial Research, "A process for the production of para chloro toluene".

14th October, 1992

927/Del/92. Council of Scientific & Industrial Research, "An improved process for the preparation of poly(alkylene-carbonates)".

928/Del/92. Council of Scientific & Industrial Research, "An improved process for the production of β -SiC whiskers from rice husk".

929/Del/92. Council of Scientific & Industrial Research, "An improved process for the preparation of azoxybenzene".

930/Del/92. Rohm & Haas Co., "Latent thiol monomers".

931/Del/92. Bendix Ltd., "Gas dryers".

932/Del/92. L.E.I. PTY. LTD., "Improvements relating to a sampling chamber for pollution detectors". (Convention date 14th October, 1991) (Australia).

15th October, 1992

933/Del/92. Kailash Natayan, "Improved process for rapid vaporization of liquid or concentration of solution at required temperature with special reference to manufacture of sugar".

934/Del/92. The Lubrizol Corporation, "Process for preparing sintered shapes and compositions used therein".

935/Del/92. The Lubrizol Corporation, "Process for preparing sintered shapes and compositions for use therein".

936/Del/92. The Lubrizol Corporation, "Methods of preparing sintered shapes and green bodies used therein".

937/Del/92. The Lubrizol Corporation, "Methods of preparing sintered shapes and green shapes used therein".

938/Del/92. Solvay S.A., "Process for the preparation of catalysts for the polymerisation of olefins, catalysts obtained by this process and process for polymerising olefins in the presence of these catalysts".

16th October, 1992

939/Del/92. Sir Padampat Research Centre, "A process for the manufacture of antimony esters".

940/Del/92. ASEA Brown Boveri AB, "Reduction of disturbances in a power network".

941/Del/92. ASEA Brown Boveri AB, "Reduction of disturbances in a power network".

942/Del/92. Rohm & Haas Co., "Solvent resistant latex paint".

19th October, 1992

943/Del/92. Pelican Crafts Pvt. Ltd., "An improvement in or relating to mattress".

944/Del/92. Batra Associates Ltd, "A gas leakage control valve".

945/Del/92. Sah Industrial Research Institute, "Juicer blade for citrus fruits for juicer attachment in mixer grinder".

946/Del/92. Domino Printing Sciences PLC., "Ink". (Convention date 30th October, 1991) (U.K.).

947/Del/92. Rohm & Haas Co., "Process for control of molecular weight distribution in polymers".

948/Del/92. Imperial Chemical Industries PLC., "Anionic compounds". (Convention date 15th November, 1991 & 25th June, 1992) (U.K.).

20th October, 1992

949/Del/92. Shri Phool Chandra Tripathi, "Gravitational power generating machine".

950/Del/92. Emhart Glass Machinery Investments Inc, "Takeout mechanism". (Convention date 14th November, 1991) (U.K.).

951/Del/92. Emhart Glass Machinery Investments Inc, "Mechanism for use in a glassware forming machine". (Convention date 16th November, 1991) (U.K.).

21st October, 1992

952/Del/92. The Procter & Gamble Co., "Absorbent articles, especially catamenials, having improved fluid directionality".

953/Del/92. The Procter & Gamble Co., "Curved, shaped absorbent article".

954/Del/92. The Procter & Gamble Co., "Absorbent article having resilient center".

955/Del/92. The Procter & Gamble Co., "Absorbent article fastener pattern".

956/Del/92. The Procter & Gamble Co., "Method of making curved, shaped absorbent article".

957/Del/92. The Procter & Gamble Co., "Stretchable absorbent articles".

958/Del/92. The Procter & Gamble Co., "Extensible absorbent articles".

959/Del/92. UOP, "Disengager stripper containing dissipation plates for use in an FCC process".

960/Del/92. Orbital Engine Co. (Australia) Pty. Ltd., "A method and apparatus for metering fuel for delivery to an internal combustion engine". (Convention date 21st October, 1991) (Australia).

961/Del/92. GEC Alsthom SA, "A device for determining the state of an apparatus, and in particular the open or closed state of an electrical apparatus by means of auxiliary contacts".

962/Del/92. T. George Joseph & Other, "Water bubbles based room cooler".

22nd October, 1992

963/Del/92. Surendra Prakash Agarwal & Other, "S.R. high temperature theory of solar radiation".

23rd October, 1992

964/Del/92. Dipty Lal Judge Mal Pvt. Ltd., "Improvements in or relating to food carrier".

965/Del/92. Unitech Engineering International, "Helicopter refuelling system".

966/Del/92. Racold Appliances Ltd., "A deep fat fryer".

967/Del/92. Mechanical Plastics Corporation, "Anchor with extrusion plastic bonding".

968/Del/92. Coventry University formerly known as Coventry Polytechnic Hec & Other, "Internal combustion engine". (Convention date 2nd November, 1991 & 2nd July, 1992) (U.K.).

26th October 1992

969/Del/92. Council of Scientific & Industrial Research, "An improved process for the preparation of nickel-titanium carbide composites".

970/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of 1, 5-diaryl-4, 5-dihydro-2-methoxycarbonylaminoimidazoles useful as antimalarial agents".

971/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of 1-aryl-2-methoxycarbonylamino-1, 3-diazaspiro (4,4(5)alk-2-ones useful as antifilarial agent's".

972/Del/92. Council of Scientific & Industrial Research, "An improved vacuum gauge using positive temperature coefficient thermistor as sensor".

973/Del/92. Council of Scientific & Industrial Research, "An improved process for selective hydrogenation of esters of dicarboxylic acids".

974/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of supported bimetallic catalyst useful for selective hydrogenation of dicarboxylic acid esters".

975/Del/92. Sir Padampat Research Centre, "A novel process for the manufacture of alkyd resin by using secondary waste of polyethylene terephthalate manufacturing process".

976/Del/92. The Lubrizol Corporation, "Lubricating compositions and concentrates".

977/Del/92. The Lubrizol Corporation, "Lubricating compositions and concentrates".

27th October, 1992

978/Del/92. Russell D.Ide, "Non-contacting mechanical face seal of the gap type".

979/Del/92. The Gillette Co., "Coating cutting edges with fluorocarbon polymers". (Convention date 28th October, 1991) (U.K.).

980/Del/92. Sony Corporation, "Magnetic type cassette".

28th October, 1992

981/Del/92 U.K. Mitra, "Method and arrangement of an explosive energy apparatus to produce electricity".
 982/Del/92 Rohm & Haas Co., "Method for lowering latex dilatancy".
 983/Del/92 The Standard Oil Co., "Process for the fluidized bed oxidation of ethane to acetic acid".
 984/Del/92 Solvay, "Process for the extraction of cerium from an aqueous solution of a mixture of rare-earth".

29th October, 92

985/Del/92 Colgate Palmolive Co., "A process for manufacturing N-mono-substituted aryl and cycloalkyl neocalanamides".
 986/Del/92 Subterranean System Pte. Ltd., "Improvements to building construction methods and materials".

30th October 92

987/Del/92 Kraft General Foods, Inc., "Mixing valve and dispensing system".
 988/Del/92 Rothmans, Benson & Hedges, Inc., "Novel multiple smoking cigarette system". (Convention date 30th October, 91) (U.K.).
 989/Del/92 Rothmans, Benson & Hedges, Inc., "Novel cigarette system". (Convention date 30th October, 91) (U.K.).

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH,
TODI ESTATES, THIRD FLOOR, SUN MILL, COMPOUND,
LOWER PARKL (WEST) BOMBAY-13

The 23rd November, 1992

367/Bom/1992 Hoechst India Ltd. 2-hydroxy-6-pentadecyl benzoic acid, a process for its preparations and its use as an antihypertensive agent.
 368/Bom/1992 Ecomax Agro Systems Ltd. Automatic device for underground sub soil irrigation and system for irrigating/ aerating shallow/ deep rooted agricultural farms/gardens and the like by said device.

The 24th November 1992

369/Bom/1992 Wockhardt Ltd. Process for the preparation of composite pharmaceutical preparation containing pefloxaci.
 370/Bom/1992 Shri Ravindra Krishnaji Patwardhan. A slimmer suit.
 371/Bom/1992 The Director, The Silk and Art Silk Mills' Research Association. A method for the synthesis of aromatic polyester polyol from polyester waste for applications in rigid polyurethane foam.

The 26th November 1992

372/Bom/1992 Shri Hemant Ganesh Kelkar. A mechanical drive unit.
 373/Bom/1992 M/s. Star Industries and Textiles Enterprises Ltd. Improved dyeing machine for dyeing of various textile fabrics.
 374/Bom/1992 Shri Vipin Champsey Shah. An improved multifilament lamp.
 375/Bom/1992 Hindustan Lever Ltd. U.K. Priority dt. 26-11-91 & 17-1-92. Detergent compositions.
 376/Bom/1992 Hindustan Lever Ltd. U.K. Priority dt. 26-11-91. Detergent compositions and process for preparing them.

377/Bom/1992 Hindustan Lever Ltd. Detergent bleach compositions.

378/Bom/1992 Hindustan Lever Ltd. Skin cleaning compositions.

379/Bom/1992 Hindustan Lever Ltd. Manganese catalyst.

380/Bom/1992 Hindustan Lever Ltd. Synthesis of manganese oxidation catalyst.

The 27th November 1992

381/Bom/1992 Shri Ashok Porwal. Improved Plastic broom.
 382/Bom/1992 Hindustan Lever Ltd. Improved process.

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH,
61, WALLAJAH ROAD, MADRAS-600 002

1st December, 1992

717/Mas/1992 M. Raghunandan. Manufacture of fermented foodstuff in dehydrated form.
 718/Mas/1992 Lucas Industries Public Limited Company. An actuator with automatic adjustment for Brakes especially in trucks and buses.
 719/Mas/1992 Tecumseh Products Company. Hermetic Compressor oil separating baffle.
 720/Mas/1992 Hoechst Aktiengesellschaft. Guanidinoalkyl-1, 1-bisphonic acid derivatives, process for their preparation and their use.
 721/Mas/1992 Worldwide Building Systems NV. Panel structure and panel for use in forming such structure.
 722/Mas/1992 Societe Des Produits Nestle S.A. Vinegar Production.

2nd December, 1992

723/Mas/1992 A Ahlstrom Corporation. Method of recovering energy from waste liquors from pulp processes.

724/Mas/1992 Caterpillar Inc. Method of obtaining a longer stroke on an existing engine.

3rd December, 1992

725/Mas/1992 Dr. Jose Thaikattil. A water filter.
 726/Mas/1992 Robowash Pty Ltd. Cleaning apparatus. (December 3, 1991. Australia).

727/Mas/1992 Gerald Lewis Smith. Method and apparatus for measuring reflux flow.

728/Mas/1992 Schlumberger Industries, Inc. A method of fabricating a pressure sensor. Divisional to Patent Application No. 318/Mas/89).

729/Mas/1992 L&T McNeil Limited. A tyre curing machine.

4th December, 1992

730/Mas/1992 W. L. Gore & Associates (UK) Ltd. Storage vessel.

7th December, 1992

731/Mas/1992 Lucas-TVS Limited. A fuel economising device for motor vehicles.

732/Mas/1992 Urea Casale S.A. Process for the revamping urea synthesis plants consisting of a stripper with ammonia.

733/Mas/1992 Rieter Ingolstadt Spinnereimaschinenbau Aktiengesellschaft. Spinning frame apparatus.

734/Mas/1992 Rieter Ingolstadt Spinnereimaschinenbau Aktiengesellschaft. A cover for a spinning box of a rotor spinning machine, and a mounting plate for receiving such a cover.

735/Mas/1992 Ricter Ingolstadt. Apparatus for and method of compressing and guiding a sliver.

8th December, 1992

736/Mas/1992 Bracco S P A. Method for preparing 5, 5'-(1, 3-propanediyl) bis-imino (2-oxo-2, 1-ethanediyl) acetylmino bis (2, 4, 6-triiodo-1, 3-benzodinedicarboxyamides), and media containing them.

737/Mas/1992 Mannesmann Aktiengesellschaft. Method of producing long steel products.

9th December, 1992

738/Mas/1992 Kvaerner Engineering A.S. A torch device for chemical processes.

739/Mas/1992 Kvaerner Engineering A.S. A method of decomposition of hydrocarbons.

740/Mas/1992 Kvaerner Engineering A.S. A method of decomposition of hydrocarbons.

741/Mas/1992 Kvaerner Engineering A.S. A method for combustion of Hydrocarbons.

742/Mas/1992 Kvaerner Engineering A.S. A torch device for chemical processes.

743/Mas/1992 Kvaerner Engineering A.S. A torch device for chemical processes.

744/Mas/1992 Compagnie Generale Des Etablissements Michelin-Michelin & CIE. Beads of tubeless tires and Methods for producing them.

745/Mas/1992 Arraycomm Incorporated. Spatial devision multiple access wireless communication systems.

ALTERATION OF DATE

The application No. 217/Bom/1991 (171890) has been ante dated to 16-5-1990 U/s. 16 of the Patents Act, 1970.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents on the prescribed Form 15 of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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स्वीकृत सम्पूर्ण विनिर्देश

ग्रहद्वारा ग्रह सूचना वी जाती है कि सम्बद्ध आवेदनों में जे किसी पर पेटॉट अनुदान का विरोध करने के इच्छुक कोइं व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक एसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटॉट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को एसे विरोध को सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटॉट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-ग्राम्य वर्गीकरण के अनुसृप्त हैं।”

नीचे सूचीगत विनिर्देशों की सीमित संख्यक मुद्रित प्रतियाँ, भारत सरकार बूक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय होते यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति होते मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित प्रिंटिंगों की गंभीर संलग्न रहनी चाहिए।

स्पांकन (चित्र आरेखों) की फोटो प्रतिगां यदि कोइं हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटॉट व्यापारिय, कलकत्ता इवारा विहित नियान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-ध्वनीहार इवारा मूलिकित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के मामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लियान्तरण प्रभार 4/- रु. है) फोटो लियान्तरण प्रभार का परिकल्पन किया जा सकता है।

Cl. : 151E

171861

Int. Cl⁴ : E 02 B 9/06.

AN ASSEMBLY FOR ATTACHMENT TO A CONDUIT.

Applicant : PRONI CREATIONS INC., MIAMI, FLORIDA
33 176 10020 S.W. 102 AVENUE ROAD USA.

Inventor : OSCAR PRONI.

Application No. 572/Cal/1988 filed on 7th July, 1988.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

24 Claims

An assembly for attachment to a conduit (15) designed for the flow of fluids under pressure therein, said assembly comprising :

(a) a fitting body (10, 100) consisting a base (12) and a segmented portion (14) integrally secured to said base (12) and extend in outwardly therefrom to a distal end (22) of said body (10, 100),

(b) a passage means (18) for receiving the conduit (15) formed within said fitting body (10, 100) and extending from said base (12) and said segmented portion (14) and existing substantially at said distal end (22),

(c) said segmented portion (14) comprising a plurality of spaced apart elongated segments (16) each integrally secured to said base (12) and extending outwardly therefrom and terminating at free ends common to said distal end (22) and collectively disposed in surrounding relation to said passage (18),

(d) a gripping means (26) formed on an inner surface of each segment (16) and structured and disposed for gripping engagement with an outer surface of said conduit (15) within said passage means (18),

(e) a conduit support means engaging said outer surface of said conduit (15).

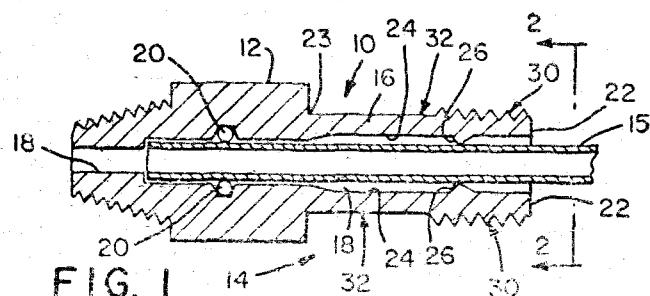
(f) force applying means (39'; 39"; 80) securable to said segmented portion (14) for application of an external force to said plurality of segments (16), and penetration of said gripping means (26) into said conduit (15);

(g) each of said segments (16) comprising an outer surface extending along its length and comprising a first portion (30) and a second portion (32), said first portion (30) extending no greater than substantially two-thirds the length of each segment (16) from said free end thereof towards said base (12) and spaced from said base (12),

(h) said second portion (32) of each segment (16) extending from said base (12) along the length of each segment (16) to said first portion (30),

(i) said conduit support means comprising a conduit bending support surface (25) formed substantially adjacent or contiguous the free distal end of each segment (16),

(j) said force applying means (39; 39'; 39"; 80) being in force transferring engagement only with said first portion (30) of each segment (16), and causing a bending movement of each segment (16) in the area between gripping means (26) and free end thereof substantially about said gripping portion (26) and toward the conduit (15) to get the bending support surface of said conduit (15) spaced (26).



Compl. Specn. 39 Pages

Drgns 4 sheets

Cl. : 83 B

171862

Int. Cl. : A 47 J 27/00.

"PROCESS FOR THE PRODUCTION OF PARBOILED RICE."

Applicant : VEB KOMBINAT NAGEMA, OF DDR 8045 DRESDEN, BREITScheidSTR, 46-56, GERMAN DEMOCRATIC REPUBLIC.

Inventors : (1) DR. DIPL-LEB-CHEM. ERICH GEB-HARDT (2) DIPL-ING. UWE LEHRACK.

Application No. 15/Cal/1989 filed on 5th January, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

3 Claims

Process for production of parboiled rice by means of hydrothermic treatment, characterised in that paddy rice soaked in excess water to a humidity content of 25-35% is exposed to a microwave treatment under submerged condition, whereby a product temperature of 100°C is reached

within 1-10 minutes and this temperature is maintained for 1-5 minutes, subsequently the excess water is separated and the microwave treatment of paddy rice at same temperature to be continued till a humidity level of 15-20% is reached and thereafter paddy rice is subjected to further processing in a known manner.

Compl. Specn. 11 Pages.

Drgns. Nil

Cl. : 105 B

171863

Int. Cl. : G 01 D 1/00, 5/00.

IMPROVED METHOD FOR MANUFACTURE OF PLASTIC RE-USABLE FOOD OR BEVERAGE CONTAINER.

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY, LOCATED AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors : (1) ALAN ROBERT CRAIG, (2) JAMES EDWARD DAVIS, (3) JOHN CARL STEICHEN.

Application No. 224/Cal/1989 filed on 20th March, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

18 Claims

An improved method for producing plastic reusable food or beverage containers free of certain contaminants characterised by providing the inner container surface of portion(s) thereof, during or after manufacture of the container, with a sensor material comprising two components, one which responds when exposed to ultraviolet illumination and the second which changes opacity when exposed to certain contaminants, said sensor material being adapted to undergo detectable change in its optical density when exposed to certain contaminants under ultraviolet illumination from which the presence of the contaminants being detectable by the comparison of the optical density of an uncontaminated standard sensor material and the sensor material exposed to contaminants.

Compl. Specn. 26 Pages.

Drgns. 2 sheets.

Cl. : 172 A D 4.

171864

Int. Cl. : D 01 H 7/52, 7/54, 7/60.

IMPROVED RING AND RING TRAVELLER COMPOSITES FOR TEXTILE SPINNING MACHINES.

Applicant : B. R. T. LIMITED, OF NEVILLE HOUSE, J. N. HEREDIA MARG, BALLARD ESTATE, BOMBAY-400 038.

Inventors : D. B. BARAT AND H. N. SETHNA.

Application No. 345/Cal/1989 filed on 8th May, 1989.

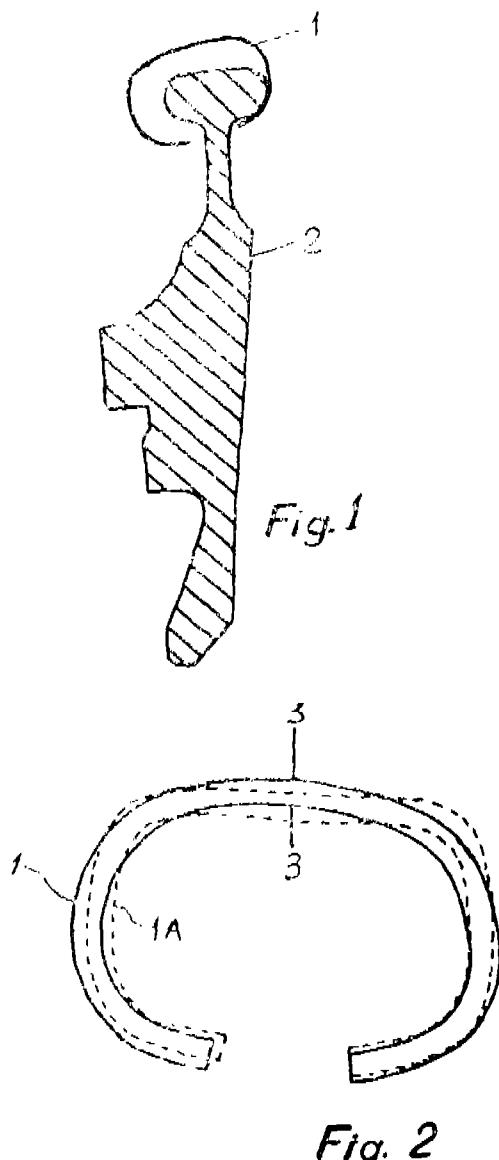
Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

5 Claims

A ring traveller assembly comprising a traveller on horizontal flange ring characterized in that—

(i) the ring having been made of a high carbon steel alloy having been heat treated to provide hardness to the range of 800Hv; and

(ii) the traveller 2 having a substantially elliptical configuration with cut-aways and a convex inner surface in contact with the ring, the said ring and traveller having a compatible design to be most efficient at high speed of at least 30 metres/second and maximum wear and fatigue resistant, said traveller being made of high carbon alloy steel having an ultra thin semi-circular cross section, for maximum heat dissipation and reduction in yarn hairiness.



Compl. Specn. 12 Pages

Drgns. 1 sheet.

Cl. 32 E

171865

Int. Cl. : C 08 F 220/02, 220/50.

METHOD FOR PREPARING A POLYMERIC LUBRICANT ADDITIVE FOR LUBRICATING COMPOSITIONS.Applicant : TEXACO DEVELOPMENT CORPORATION
2000 WEST CHESTER AVENUE, WHITE PLAINS,
NEW YORK 10650, UNITED STATES OF AMERICA.

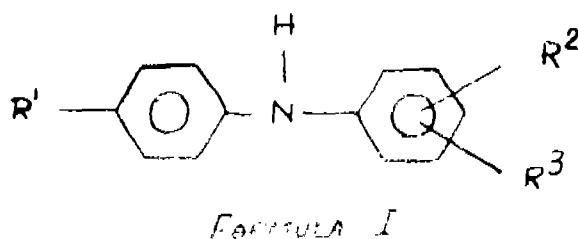
Inventors : NALESNIK THEODORE EUGENE,

Application No. 359/Cal/1989 filed on 10th May, 1989.

Appropriate office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office, Calcutta.**15 Claims**

A method for preparing a polymeric lubricant additive for lubricating compositions comprising grafting a polymer containing from 15 to 80 mole per cent of ethylene, from 20 to 85 mole per cent of a C_8-C_{10} alpha-monoolefin, and from 0 to 15 mole per cent of a polyene selected from non-conjugated dienes and trienes, said polymer having an average molecular weight of 5,000 to 500,000 with at least one olefinic carboxylic acid acylating agent such as herein described to form one or more reaction intermediates having a carboxylic acid acylating function within their structure, and reacting said reaction intermediate with a polyfunctional material reactive with carboxyl groups,

characterised in that the polyfunctional material is an amino-aromatic polyamine compound such as herein described.



Compl. Specn. 25 pages.

Drgns. 1 sheet

Cl. : 32 F₄

171866

Int. Cl. : C 07 C 149/12.

PROCESS FOR THE MANUFACTURE OF DIALKYL DISULFIDES AND POLYSULFIDES.

Applicant : PENNAWALT CORPORATION, PENN-WALT BUILDING, THREE PARKWAY PHILADELPHIA, PENNSYLVANIA 19102, UNITED STATES OF AMERICA.

Inventors : (1) ROBERT BONNER HAGER, (2) EDWARD JOHN DZIERZA (3) BERNARD BUCHHOLZ.

Application No. 577/Cal/1989 filed on 18th July, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

A process for the preparation of di (C_2-C_{20}) alkyl disulfides and polysulfides which comprises continuously reacting over a solid, particulate catalyst such as herein described in a first reaction zone a C_2-C_{20} alkene with hydrogen sulfide in a molar ratio of between 1 : 2 to 1 : 20 whereby an effluent product containing a C_2-C_{20} alkyl mercaptan is continuously formed, wherein the elevated temperature of said first reaction zone is between about 80 and 350°C and the reaction in said first reaction zone is carried out at a pressure ranging from about atmospheric to 800 psig and then continuously reacting over a solid particulate catalyst such as herein described in a second reaction zone said effluent product and molten, elemental sulfur in a molar ratio of between 1 : 0.05 to 1 : 3 whereby the major product continuously formed is a di (C_2-C_{20}) alkyl disulfide or polysulfide, the temperature in said second reaction zone is in the range of from 125°C to 400°C and the reaction is carried out under a pressure within the range of from about atmospheric to about 600 psig.

Compl. Specn. 32 pages.

Drgns. 1 sheet.

Cl. : 188

171867

Int. Cl. : 23 C 2/12.

HOT DIP ALUMINUM COATED CHROMIUM ALLOY STEEL.

Applicant : ARMCO INC., OF 703 CURTIS STREET, MIDDLETOWN, OHIO 45043, UNITED STATES OF AMERICA.

Inventors : (1) STEVEN L. BOSTON, (2) RICHARD A. COLEMAN, (3) FARRELL M. KILBANE, (4) DANNY E. LEE, (5) WILLIAM R. SEAY.

Application No. 639/Cal/1989 filed on 7th August, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A method of continuous hot dip coating a steel strip with aluminum, comprising the steps of :

heating a ferritic chromium alloy steel strip in an atmosphere formed by the gaseous products of the combustion of fuel and air wherein said atmosphere has no free oxygen and the temperature of said strip is insufficient to excessively oxidize chromium in said strip,

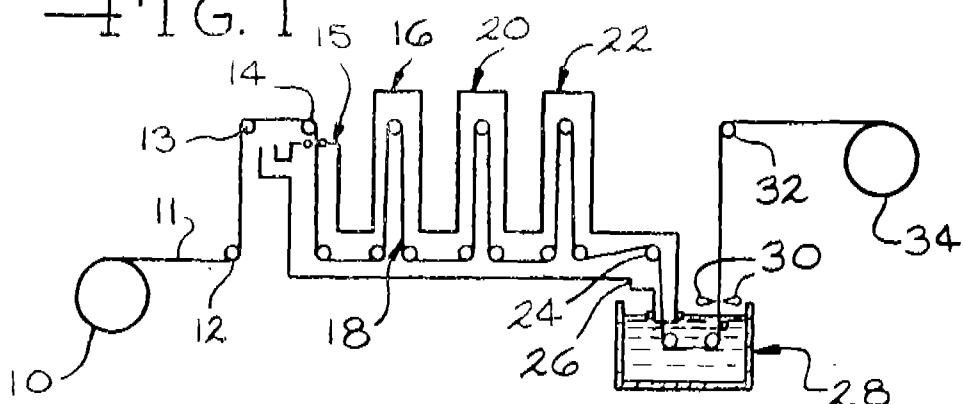
passing said strip into a molten bath of an aluminum coating

passing said strip through a protective atmosphere having at least about 95% by volume hydrogen,

dipping said strip into a molten bath of an aluminum coating metal to deposit a coating layer on said strip,

said coating layer being substantially free of uncoated areas and tightly adherent to said cleaned strip.

FIG. 1 15 16 20 22



Compl. Specn. 25 pages.

Drgns. 1 Sheet

Cl. : 128 A&G
Int. Cl. : A 61 L 17/00, 31/00

171868

A PACKAGE FOR RETAINING A WOUND SUTURE.

Applicant : ETHICON, INC., OF U.S. ROUTE NO. 22,
SOMERVILLE, NEW JERSEY 08876, UNITED STATES
OF AMERICA.

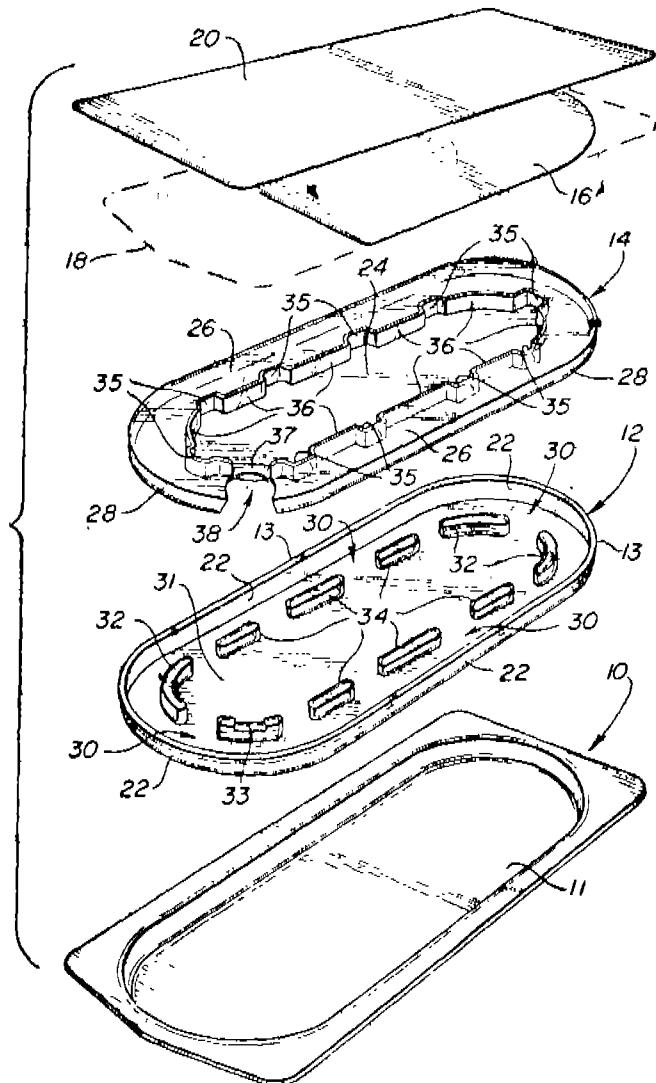
Inventors: (1) ROBERT J. KALINSKI, (2) ROBERT JAMES CERWIN, (3) MARVIN ALPERN.

Application No. 685/Cal/1989 filed on 21st August, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

42 Claims

A package for retaining a wound suture comprising a two piece package components characterized in that said two pieces are formed as interlocking pieces and wherein the said two pieces when joined together define within the interior formed therebetween an oval shaped channel in which a suture may be bound in an oval pattern, retaining a needle alongwith.



Compl. Specn. 32 pages.

Drgns. 9 sheets.

Cl. 34 D

171869

Int. Cl. : D 01 F 6/00

AN IMPROVED SHEATH/CORE BINDER FIBRE AND BLEND OF SUCH FIBRES AND BONDED ARTICLES PREPARED THEREFROM.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, MANUFACTURERS OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors : (1) JOHN SEUNGUN AHN, (2) WO KONG DWOK, (3) JOHN ORMOND MOLTER, (4) STEPHEN ROBERT TANNY.

Application No. 874/Cal/1989 filed on 20th October, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

An improved sheath/core binder fibre having a lower melting sheath of olefin polymer and a core of higher melting polyester, the improvement being characterized by the sheath consisting essentially of an organic copolymer of ethylene with polar comonomer.

Compl. Specn. 19 pages

Drgn. Nil

9 Claims

A process for the production of halogens or halogen containing compounds such as herein described from halide containing solutions comprising the step of conducting electrolysis in an electrolytic cell containing said solutions at a temperature of 0 to 100°C a voltage range of 1.1 to 2.5 volts (SCE) and a current of 10 to 2000 MA/CM² and having an amorphous metal alloy anode having the formula M²_bM³_c, where M² is Ti, Zr, Hf, V, Nb, Ta and combinations thereof; M³ is Rh, Os, Ir, Pt and combinations thereof; b ranges from 10 to 70; and c ranges from about 5 to 70, with the proviso that b+c=100.

Compl. Specn. 12 pages.

Drg. Nil.

171872

Ind. Cl. : 161D XXVII (3).

Int. Cl. : E01C 5/12.

A METHOD FOR MANUFACTURING FOAMED BITUMEN AND AN APPARATUS FOR CARRYING OUT THE METHOD.

Applicant : NODEST VEI A/S., A NORWEGIAN JOINT STOCK COMPANY, OF POST OFFICE BOX 507, N-3412 LIERSTRANDA, NORWAY.

Inventor : JARLE WENTZEL & EINAR AUNE.

Application for Patent No. 970/Del/86 filed on 4th, November, 1986.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A method for manufacturing foamed bitumen by foaming of a hot liquid bitumen, in which the foaming is caused by evaporation of water in contact with the hot liquid bitumen of a temperature of 120 to 160°C, characterised by mixing the water with the hot liquid bitumen at a pressure which is higher than the saturation pressure of about 10 KP/Cm² of water vapor at the temperature of the bitumen, and then subseabeing the mixture to a pressure lower than said saturation pressure to expand and form and foamed bitumen.

Compl. Specn. 7 pages.

Drg. Nil.

171873

Ind. Cl. : 51 D LXVI (2).

Int. Cl. : B 26 B 21/00.

RAZOR CAP FOR MAINTAINING A SHAVING AID THEREON.

Applicant : WARNER-LAMBERT COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950, UNITED STATES OF AMERICA.

Inventor : FRANK ANTHONY FERRARO.

Application for Patent No. 547/Del/87 filed on 29 June, 1987.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A razor cap for maintaining a shaving aid thereon, said cap having a bottom surface and a top surface, (25) said top surface (25) having a deformable plastic narrow back projection (16) positioned parallel to and near the back (11) of said cap, and at least one front projection (12) (12_a, 12_b, 12_c) positioned parallel to said rear projection (16) near the front edge (13) of the cap and parallel thereto, said

Compl. Specn. 15 pages.

Drgns. 3 Sheets.

Ind. Cl. : 70 C₆ & 139 C.

171871

Int. Cl. : C 01 B 7/00.

A PROCESS FOR THE PRODUCTION OF HALOGENS OR HALOGEN CONTAINING COMPOUNDS.

Applicant : THE STANDARD OIL COMPANY, AN OHIO CORPORATION, HAVING A PLACE OF BUSINESS AT PATENT & LICENSE DIVISION, 200 PUBLIC SQUARE, CLEVELAND, OHIO 44114-2375, UNITED STATES OF AMERICA.

Inventors : MICHAEL ALAN TENHOVER, RICHARD SCOTT HENDERSON, JONATHAN HENRY HARRIS, ROBERT GARL GRASSELLI & MICHAEL DAVID WARD.

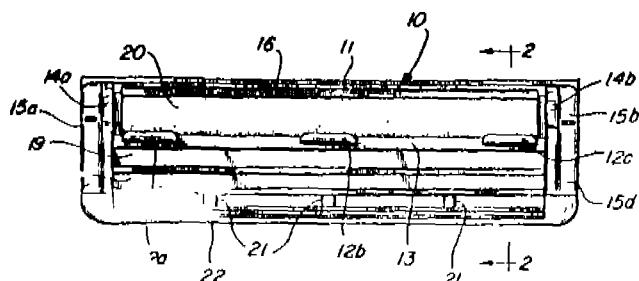
Application for Patent No. 548/Del/86 filed on 24th June, 1986.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

back (16) and front (12) projections for maintaining said shaving aid (20) on said top surface (25) of the cap.

(Reference—Nil).

FIG-1



Compl. Specn. 8 pages

Drg. 2 Sheets

Ind. Cl. : 72 B.

171874

Int. Cl.⁴ : C06B 31/02.

A WATER-IN-OIL EMULSION EXPLOSIVE COMPOSITION AND A PROCESS FOR THE PREPARATION OF THE SAME.

Applicant : ICI AUSTRALIA OPERATIONS PROPRIETARY LTD., A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF VICTORIA, AUSTRALIA, MANUFACTURERS AND MERCHANTS, OF 1 NICHOLSON STREET, MELBOURNE, VICTORIA 3000, AUSTRALIA.

Inventors : ANDREW BATES, STUART DACK & DAVID YATES.

Application for Patent No. 696/Del/87 filed on 10 August, 1987.

Convention date 26 August 1986/PH 7651/Australia.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

32 Claims

A water-in-oil emulsion explosive composition comprising : a discontinuous aqueous oxidizer-phase comprising dissolved therein an oxygen releasing salt component comprising ammonium nitrate; a continuous organic-phase comprising an organic fuel such as herein described and an emulsifying agent such as herein described characterized by said oxygen-releasing salt component comprising at least one modifier selected from compounds of elements selected from the group consisting of aluminium, iron and silicon and wherein the oxidizer phase comprises dissolved therein at least one polycarboxylate compound selected from polycarboxylic acids and salts thereof.

Compl. Specn. 37 pages.

Ind. Cl. : 188.

171875

Int. Cl.⁴ : C23C 22/46.

AN AQUEOUS SOLUTION FOR USE IN THE REFINEMENT OF METAL SURFACES.

Applicant : REM CHEMICALS, INC., A CORPORATION OF THE STATE OF CONNECTICUT, UNITED STATES OF AMERICA, OF 325 WEST QUEEN STREET, SOUTHINGTON CONNECTICUT 06489, UNITED STATES OF AMERICA.

Inventors : ROBERT GEORGE ZOBBI & MARK DAVID MICHAUD.

Application for Patent No. 759/Del/87 filed on 27 August, 1987.

Convention date 3rd February 1987/528, 892/Canada.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

An aqueous solution for use in the refinement of metal surfaces, comprising water, a water-soluble oxalate compound of the kind such as herein described, a water-soluble nitrate compound of the kind such as herein described and a water-soluble peroxy compound of the kind such as herein described, said solution containing a sufficient amount of said oxalate compound to provide 0.125 to 0.65 gram mole per litre of the oxalate radical, a sufficient amount of said nitrate compound to provide at least 0.004 gram mole per liter of the nitrate radical, and a sufficient amount of said peroxy compound to provide 0.001 to 0.05 gram mole per liter of the peroxy group.

Compl. Specn 18 pages.

Ind. Cl. : 94 A. 171876

Int. Cl.⁴ : B 02 C 7/12.

A BALL TUBE MILL FOR COMMINUTING HARD MATERIALS.

Applicant : BELGORODSKY TEKHOLOGICHESKY INSTITUT STROITELNYKH MATERIALOV IMENI I.A. GRISHMANOVA, OF ULITSA KOSTJUKOVA 46, BELGOROD, U.S.S.R., A SOVIET STATE OWNED INSTITUTE.

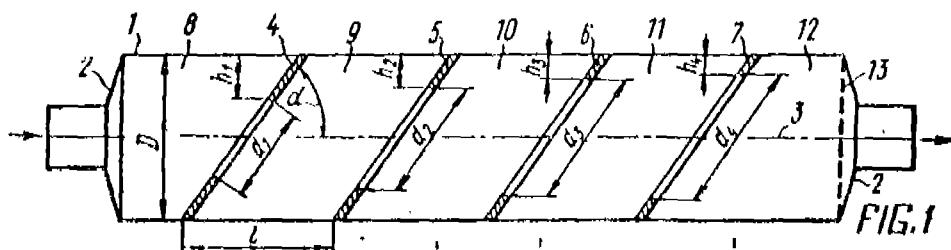
Inventors : VASILY STEPANOVICH BOGDANOV, IVAN IVANOVICH MIROSHNICHENKO, NIKOLAI STEPANOVICH BOGDANOV, NIKOLAI DMITRIEVICH VOROBIEV, VLADIMIR ZELMONOVICH PIROTSKY, IVAN NIKOLAEVICH SHEVCHENKO.

Application for Patent No. 717/Del/87 filed on 18th August, 1987.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A ball tube mill for comminuting hard materials comprising a housing (1) with an inlet and an outlet for feeding and discharging material to be comminuted, annular wall plates (4, 5, 6, 7) located in succession within said housing, said wall plates being at an angle α of from 45° to 65° to the longitudinal axis of the housing, the distance between the adjacent annular wall plates being about $D/tg \alpha$, where D is the inside diameter of the said housing, said annular wall plates being in the form of an ellipse, a perforated grid member 13 is provided at the said outlet to prevent the escape of the large size particles of the material and grinding bodies from the said mill.



Compl. Specn. 21 pages

Drg. 2 sheets.

Ind. Cl. : 50 E₂ VII (1).

171877

Ind. Cl. : 33 D.

171878

Int. Cl. : F 04 B 19/00, 21/00,

Int. Cl.⁴ : B22D 45/00.

F 24 F 13/00.

A TUNDISH.

Applicant : USX ENGINEERS & CONSULTANTS, INC. OF 600 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15219, UNITED STATES OF AMERICA, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATES OF DELAWARE, UNITED STATES OF AMERICA.

Inventors : DAVID JAMES DIEDERICH AND JOHN CHARLES PADDOCK.

Application for Patent No. 756/Del/87 filed on 26th August, 1987.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

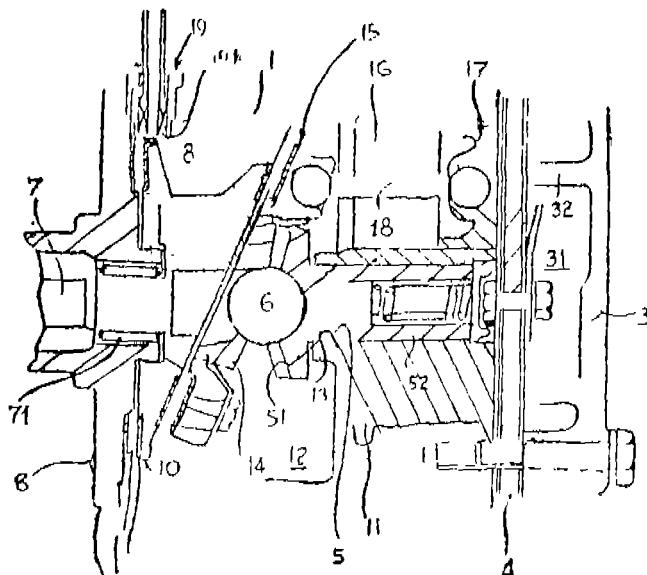
Inventor : TAMOTSU DALKONARA.

Application for Patent No. 740/Del/87 filed on 24th August, 1987.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A rotation detecting device for a refrigerating compressor including a housing, a drive shaft (7) rotatably supported by radial needle bearing (71) in the said housing (2), and an electromagnetic clutch mounted on said housing (2) for selectively coupling said drive shaft (7) to an external drive source, the said drive shaft (7) is drivingly coupled with a cam rotor (8) and a wobble plate (10) is disposed adjacent to the inclined surface of said cam rotor (8) to nutate corresponding to the movement of said cam rotor (8), characterised in that the said detecting device comprises a front thrust race (92) having a pair of nail portions (92a, 92b) disposed on the surface of said cam rotor (8), a magnetic pickup (19) mounted on the said housing (2) and located opposite a portion of the movement locus of the said nail portions (92a, 92b) to detect the magnetic flux density at successive passes of the said nail portions (92a, 92b) during rotation movement of said cam rotor (8).



Compl. Specn. 9 pages.

Drg. 2 sheets.

9 Claims

A tundish having outer walls defining a cavity for containing a predetermined volume of molten metal and for maintaining the molten metal at a specified height from a bottom surface of the tundish cavity, said tundish having at least one outlet opening for permitting passage of molten metal from the tundish into a casting mold, an entry point displaced horizontally from the axis of said at least one outlet opening for receiving at least one alloying element and a stream of molten metal from a ladle, characterized by :

a mixing zone located directly below said entry point, said mixing zone having a generally vertical first inner wall extending upwardly from a bottom surface of the tundish cavity to a height which is at least forty percent of the specified height of molten metal in said tundish, said first inner wall extending transversely to the direction of flow of molten metal from said entry point to said at least one outlet opening, at least one opening for flow of molten metal from said entry point to said at least one outlet opening, a portion of the lower periphery of said at least one opening being defined by the upper edge of said first inner wall the lower periphery of said at least one opening in the first inner wall being at a height not less than forty percent of the specified height of molten metal in said tundish, the aggregate cross sectional area of said at least one opening in the first inner wall being not less than the cross sectional area of the at least one outlet opening in said tundish, said first inner wall being spaced horizontally from said entry point by a distance within the range of 20 to 65 cm., said mixing zone having an other wall essentially parallel to said first inner wall and spaced horizontally substantially the same distance from said entry point as said first inner wall, said mixing zone including a pair of spaced generally vertical walls joining said first inner wall and said other wall at opposed ends thereof, whereby the force of said stream of molten metal from the ladle at said entry point causes uniform mixing of said at least one alloying element with the molten metal in the mixing zone of said tundish.

Compl. Specn. 13 pages.

Drg. 2 sheets.

Ind. Cl. : 40 B IV (1).

171879

Int. Cl. : B 01 J 23/22.

A METHOD FOR THE PREPARATION OF AN OLEFIN POLYMERIZATION SUPPORTED CATALYST.

Applicant : EXXON CHEMICAL PATENTS, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1900 E. LINDEN AVENUE, LINDEN, NEW JERSEY 07036-0710, UNITED STATES OF AMERICA.

Inventor : HOWARD CURTIS WELBORN, JR.

Application for Patent No. 760/Del/87 filed on 28th August, 1987.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A method for the preparation of an olefin polymerization supported catalyst which comprises reacting at least one metallocene of a metal of Group IVB, VB and VIB of the periodic Table, at least one non-metallocene transition metal compound of a metal of Group IVB, VB and VIB and an alumoxane in the presence of a slurry of a support of the kind such as herein described in an inert hydrocarbon solvent, the molar ratio of the alumoxane to metallocene based on the aluminum and metal being in the range of 300 : 1 to 1 : 1 and the molar ratio of the metallocene compound to the non-metallocene transition metal compound being in the range of 100 to 0.01 moles metallocene per mole of non-metallocene transition metal compound.

Compl. Specn. 36 pages.

Drg. NIL.

Ind. Cl. : 81 XXXIX (4).

171880

Int. Cl. : A 62 C 1/00.

POWDER DISCHARGE APPARATUS MAINLY FOR USE IN EXTINGUISHING FIRES.

Applicant : SANTA BARBARA RESEARCH CENTRE, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF CALIFORNIA, HAVING A PRINCIPAL PLACE OF BUSINESS AT 75 COROMAR DRIVE, GOLETA, STATE OF CALIFORNIA, UNITED STATES OF AMERICA.

Inventors : MARK THOMAS KERN, RICHARD CHARLES JOHN HERBERT STREATRER.

Application for Patent No. 935/Del/87 filed on 26th October, 1987.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A powder discharge apparatus mainly for use in extinguishing fires, the apparatus comprising :

a container (12) for storing powder (30) and fluidic propellant (32); pressurizing means (40, 42, 46, 44, 48) having a gas inlet valve (40) disposed in a wall of said container (12) for admission of propellant gas (32) under pressure at a sufficiently slow rate so as to avoid clumping of powder (30) on pressurizing, said valve (40) closing to prevent egress of the gas upon completion of pressurizing the container (12); a port (28) in the container (12) opposite the pressurizing means (40, 42, 44, 46, 48) for release of the powder and the propellant;

a closure member (34), such as a diaphragm, for said port (28); opening means (14, 16, 240) in said container

(12) for causing said closure member (34) to open, said opening means (14, 16, 240) being a gas generator (16) for developing an overpressure less than said pressure developed by said pressurizing means, said gas generator (16) being directed to push directly on the closure member (34); and

a well (20) extending inwardly from a wall of said container (12) into the powder (30) and the propellant, (32) said gas generator (16) being located within said well; (20) whereby initiating of said gas generator (16) is communicated through said well (20) to an interior region of said container (12) to cause said overpressure which opens said port (28) to allow for rapid escape of said powder (30) and said propellant (32).

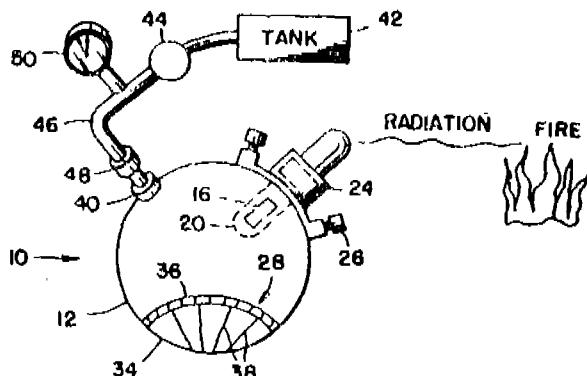


FIG. 1.

Compl. Specn. 49 pages.

Drg. 8 sheets.

Ind. Cl. : 153 XLIII (3).

171881

Int. Cl. : B 24B—9/00.

IMPROVED MACHINE FOR POLISHING/CHAMFERING THE EDGES OF PLATES.

Applicants & Inventor : PRAKASH JHAMANDAS BHALLA, OF 256, YUSUF MEHERALI ROAD, BOMBAY-400 003, IN THE STATE OF MAHARASHTRA, INDIA.

Application No. 174/Bom/1989 filed on 26th June, 1989.

Complete after provisional left on 10th September, 1990.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

7 Claims

An improved machine for polishing/chamfering the edges of the plate of glass, plastic, metal, wood or the like material which consists of four pulleys around which an abrasive belt moves, of the said pulleys, one is a drive pulley which is mounted on an electric motor and other three pulleys are driven pulleys, one of the driven pulleys is called a tension pulley and the remaining two drive pulleys are called twin pulleys, the drive pulley and the tension pulley are enclosed inside an enclosure, the said twin pulleys parallel to each other are fitted on the enclosure in such a way that these twin

pulleys protrude out of the said enclosure and the abrasive belt moves at the desired angle above the twin pulleys, a set of support rollers mounted on a set of bars, to act as a stand

assembly for the said plate whose edges are to be polished/chamfered, is also fitted on the same side of the enclosure having the twin pulleys already fitted thereon.

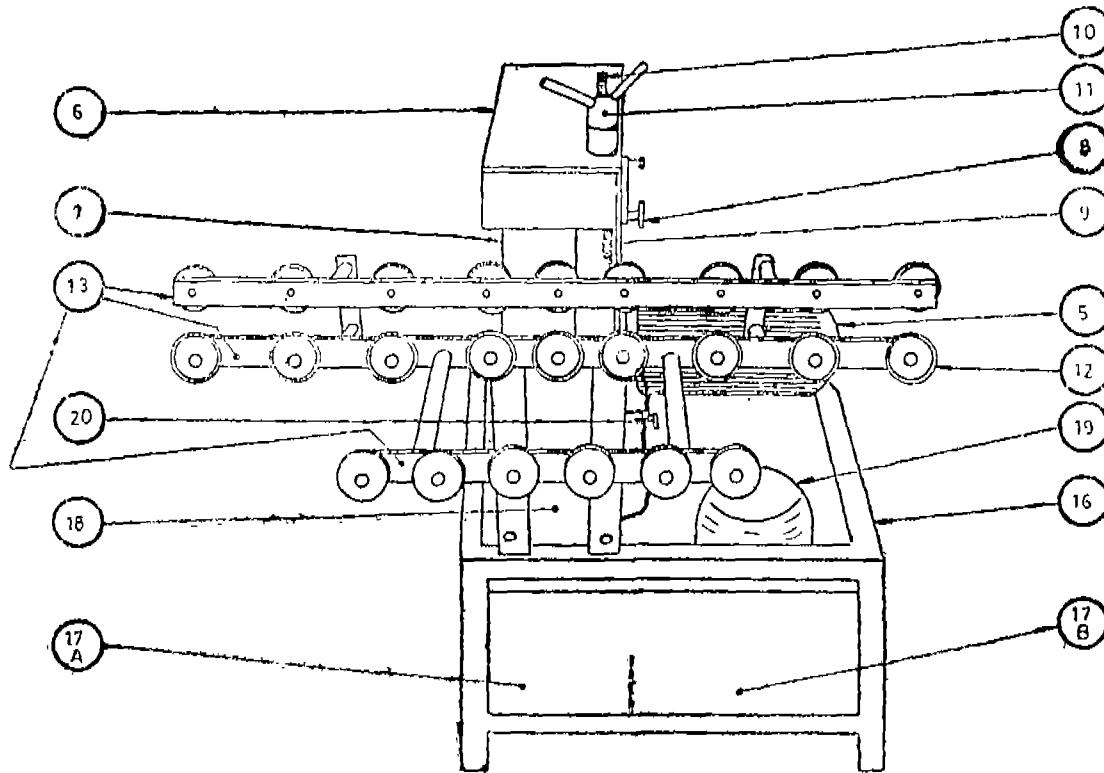


FIG. 9

Prov. Specn. 7 pages.
Compl. Specn. 9 pages.

Drg. NIL.
Drg. 3 sheets.

Ind. Cl. : 127 I [LXV (1)].
Int. Cl. : F 16 D-3/50.

171882

171883

IMPROVED POWER TRANSMITTING COMPLING ASSEMBLY.

Applicants : ARUNA K. RAHI, PREMA M. RATHI, NIRMALA S. RATHI, LEELA R. RATHI, ANURADHA V. RATHI, VIJAYKUMAR R. RATHI, KUSUM R. RATHI, P. R. RATHI, KUSUM B. RATHI, AJAY B. RATHI, KAMALA H. RATHI, SUNIL H. RATHI, SUMAN N. RATHI, ANUJ N. RATHI, SNEHA V. RATHI.

Inventor : MADHUSUDAN LAXMINARAYAN RATHI.
Application No. 325/Bom/1980 filed on 23rd November, 1989.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13

1 Claim

Improved power transmitting coupling assembly comprising a coupling assembly of multi-jaws metal hubs³ with a snap-wrap type or a spider type resilient member⁴ having identical number of jaws and a spacer component⁵ interposed between the said metal hubs characterised in that the said spacer component is provided with jaws on both ends for engaging with the jaws of the said metal hubs³ and being further provided therein a clamping ring⁶ for holding together the said engaged parts.

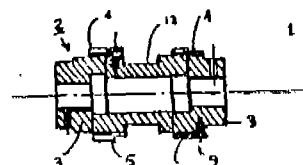


FIG. 1

Compl. Specn. 4 pages.

Drg. 1 sheet.

Application & Provisional specification No. 353/BOM/1989 filed on 22-12-1989. Complete after Provisional Specification Left on 19-3-1991.

Ind. Cl. : 35E₂ & E₄ Gr. [XIX]

Int. Cl. : C12 P-21/00

A PROCESS FOR THE PRODUCTION OF A NEW GLYCOPEPTIDE ANTIBIOTIC BALHIMYCIN AND PHARMACEUTICALLY USEFUL SALTS THEREOF FROM A MICROBIAL STRAIN ACTINOMYCETE SPECIES Y-86,21022 (CULTURE NUMBER) HOECHST INDIA LIMITED, Y-86,21022), ITS MUTANTS OR VARIANTS.

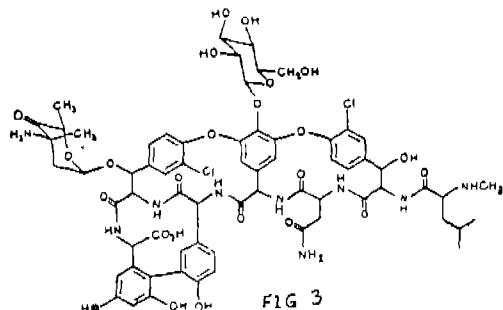
Applicants : HOECHST INDIA LIMITED, HOECHST HOUSE, NARIMAN POINT, 193, BACKBAY RECLAMATION, BOMBAY 400 021, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors : (1) DR. SURESH RUDRA NADKARNI
(2) DR. SUGATA CHATTERJEE
(3) DR. MAHESH VITHALBHAI PATEL
(4) DR. ERRA KOTESWARA SATYA VIJAYKUMAR RAJ
(5) MR. KALYANAPURAM RAJAGOPALAN DESIKAN
(6) DR. RAJENDRA KUMAR JANI
(7) DR. DIPAK KUMAR CHATTERJEE
(8) DR. BIMAL NAresh GANGULI
(9) DR. JURGEN BLUMBACH
(10) DR. HANS WOLFRAM FEHLBER &
(11) DR. HERBERT KOGLER.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

5 Claims

A process for the production of a new glycopeptide antibiotic Balhimycin of the formula shown in Fig.3



of the drawings accompanying this specification and pharmaceutically useful salts thereof from a microbial strain Actinomycete species Y-8621022 (culture number Hoechst India Limited Y-8621022), its mutants or variants, said process consisting of cultivating the said microbial strain, its mutants or variants in a nutrient medium herein described by fermentation under aerobic conditions at 28–32°C and pH 6 to 8 and isolating and purifying the Balhimycin from the culture broth in a known manner and if desired converting the Balhimycin into its pharmaceutically useful salt in a known manner.

(Prov. Specn. 12 Pages;
(Comp. Specn. 16 Pages;

Drgs. 3 Sheets.)
Drgs. 3 Sheets.)

Ind. Cl. : 136 E [XIII]
174 E [LII (V)]

171884

Int. Cl. : B 60 G-11/02; B 27 N-3/08; B 29 C-39/02

A PROCESS AND DEVICE FOR MANUFACTURING COMPOSITE FRP MONO-LEAF SPRINGS FOR MOTOR VEHICLES/TRAILERS AND COMPOSITE FRP MONOLEAF SPRING LAMINATES MADE BY SAID PROCESS.

Applicants : THE DIRECTOR, THE AUTOMOTIVE RESEARCH ASSOCIATION OF INDIA, 102 PAUD ROAD VETAL HILL, PUNE-411 004 MAHARASHTRA, INDIA.

Inventors : (1) AVINASH RAGHUNATH ARANKALLE
(2) ZIA-UR-RAHEMAN ABDUL RAHEMAN MUJAWAR
(3) DR PANKAJ KUMAR MULLICK
(4) KIRAN GOVIND PARDESHI.

Application No. 341/Bom/1990 filed on December 20, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims

A process of manufacturing composite FRP mono-leaf spring according to this invention comprises of following steps :—

- winding filament web/tape/roving of desired width at uniform desired selectable pitch on a cold or heated drum from unidirectional continuous fibres of fibre glass/carbon/aramid or the like polymeric fibres or any combination thereof, wetted with polymeric resin matrix such as epoxy resin and the like;
- either directly parting off or slitting the fibres and unwrapping and cutting said wetted web/tape/roving into desired cut lengths on a flat surface to build up a sandwich stack of desired thickness and profile confirming to the thickness and profile of mono-leaf spring laminates or atoring under

known controlled low temperature conditions said resin wetted web/tape/roving in full lengths or desired lengths for desired duration for subsequent use to make a sandwich stack for moulding depending upon the availability of the moulding facilities and time;

- employing of known non-stick tape or mould releasing chemical fluids, sprays, and the like to the mould surfaces for release of the cured mono-leaf spring laminate from the mould;
- loading the uncured sandwich stack of wetted web/tape/roving of green mono-leaf of step (ii) in a heatable split mould having a desired male and female profile for moulding/curing leaf spring laminates to have desired parabolic/tapered and cambered profile with concave seats at either ends thereof to facilitate assembly of the silent metalastic spring bush/spring metal bush encased in a rubber bush;
- closing the female mould section of heatable split mould by the male counterpart of split heatable mould of step (iv) to required final height of moulded mono-leaf spring thickness and profile from centre to ends to provide desired parabolic/tapered and cambered profile therefor;
- curing the mould of step (v) under desired moulding pressure of not less than 0.05 kg/mm² at multi-stage curing temperatures where the curing temperatures depend upon the type (s) and combination(s) of resin+hardener+accelerator used and which temperature in the first curing stage is not less than 40°C and held at known controlled temperature(s) between 40°C to 120°C for a period not less than 2 hours followed by a second or third or subsequent curing stage(s) at temperature not less than 120°C and held at known controlled temperature(s) between 120°C to 180°C for a period not less than 2 hours.
- allowing the mould of step (vi) to cool down to ambient temperature before removing cured FRP mono-leaf spring laminate therefrom and, if required, post curing same in known manner to attain stable dimensions;
- removing flashes on the cured FRP mono-leaf spring laminate(s) or step (vii) and trimming the laminate to desired dimensions; and
- finally clamping to laminate of step (viii) a silent metalastic bush formed by a rubber bush bonded/enclosed between two metal bushes or a rubber bush bonded/enclosed on a metal bush sandwiched between corresponding concave depression formed at each end of said cured and stabilized FRP mono-leaf spring laminate of step (viii) and securing thereto said silent bush by means of a suitably profiled metallic strap clamp, the extension arms of which embrace top and bottom faces of said FRP composite mono-leaf spring laminate adjacent to said concave depression and secured thereto by means of another metallic strap clamp crimped thereover so as to form a complete FRP mono-leaf spring such that a spring pin a long bolt be passed through a chassis bracket or shackle of a motor vehicle/trailer and said silent bush eye for securing said FRP mono-leaf spring to said chassis bracket in known manner.

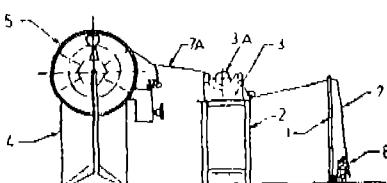


FIG. 1

(Comp. Specn. 26 Pages;

Drgs. 3 Sheets.)

Ind. Cl. : 179 F. Gr. [XL (6)]

171885

Int. Cl. : B 65 D-47/34

MULTI-CAVITY DISPENSING CONTAINER.

Applicant : HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE 165/166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventor : EDWIN R. PETTENGILL.

Application No. 68/Bom/1990 filed on 23rd March, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

8 Claims

A multi-cavity dispersive container for the coextrusion of at least two flowable materials, comprising a dispensing container comprising at least two hollow and separate parallel cylinders, each having a first generally closed end and a second open end to telescopically and slidably accommodate two parallel pistons so as to force said flowable material to flow toward said first end of said cylinder upon relative compression of the cylinders and pistons, said cylinders having outlet passage and an outlet means in fluid communication with said outlet passage and nozzle, said outlet means including the outlet passage and the nozzle, wherein said outlet means is bisected by a flat tapered septum extending from said outlet passage and extending to or beyond the end of said outlet means.

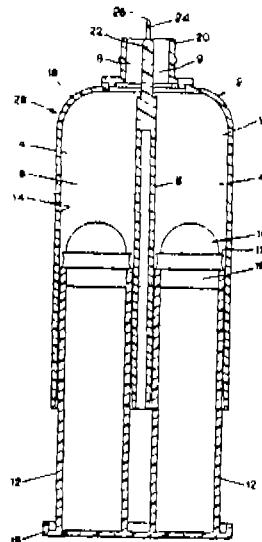


FIG 3

(Comp. Specn. 15 Pages;

Drwgs. 6 Sheets.)

Ind. Cl. : 170 A, Gr. [XLIII (4)]

171886

Int. Cl. : C 11 D-1/16, 1/83

A DETERGENT COMPOSITION FOR WASHING FABRICS.

Applicants : HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE 165/166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventors : (1) BRYAN CECIL SMITH
 (2) MOHAMAD SAMI FALOU
 (3) MICHAEL HULL
 (4) DENNIS GILES.

Application No. 20/Bom/1991 filed on 18-1-1991.

U. K. Priority date 22-1-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

6 Claims

A detergent composition for washing fabrics, the composition containing a surfactant system comprising an anionic surfactant which is a branched chain primary alkyl sulphate with primary alkyl chain length between 10 and 20 carbon atoms.

(Comp. Specn. 19 Pages;

Drws. Nil.)

Ind. Cl. : 132 A2 & C Gr. [XXXIV(3)]

171887

Int. Cl. : B 06 B-1/16

AN IMPROVED ROTARY SHAKER.

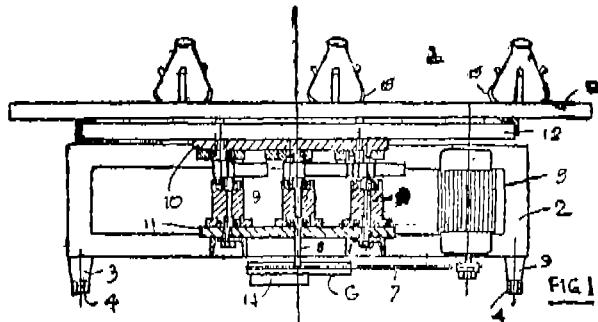
Applicant & Inventor : SHIVRAM SITARAM SAPAR 327, GHORPADE PETH NEAR POLICE CHOWKI PUNE-411 042, MAHARASHTRA, INDIA.

Application No. 68/Bom/1991 filed on March 7, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim

An improved rotary shaker comprising a main cabinet supported on a plurality of strong legs having known type level adjusting mechanism, an upper plate and a lower plate being provided inside the said cabinet the said upper plate and the lower plate being provided with a central crank shaft and additional four crank shafts at the four corners, the central crank shaft being mounted with a main driving pulley rotated by a prime mover, such as an electric motor, through a belt drive, a chassis mounted on the said upper plate over which is fixed a platform having a plurality of flask holders; a counter weight being attached to the said main driving pulley and to the said four crank shafts which take care of the varying loads placed on the said platform fixed to the said chassis, while the rotary shaking operation is in process.



(Comp. Specn. 5 Pages;

Drwgs. 2 Sheets)

Ind. Cl. : 77 D [XI (1)]

171888

Int. Cl. : C 11 B-3/02, 3/10

A PROCESS FOR TREATING (UPGRADING) NEEM OIL.

Applicants : HINDUSTAN LEVER LTD., 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) VIJAY MUKUND NAIK
 (2) MAYARA EASWARAN NARAYANAN NAMBUDIRY
 (3) MANJIT SINGH PANESAR.

Application No. : 70/BOM/1991 filed on March 13, 1991.

Complete after Provisional left on April 13, 1992.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

12 Claims

A process for treating (upgrading) neem oil, comprising the steps of :—

- (i) contacting neem oil with at least one solvent having polar solubility parameter values and hydrogen bonding solubility parameter values falling within an area defined by the polygon ABCDEF shown in Fig. of the drawings accompanying the provisional specification the apexes of said polygon being as defined in Table I hereinabove; and
- (ii) separating the oil and solvent phases and thereafter isolating the desired products therefrom in any conventional manner.

(Comp. Specn. 14 Pages;

Drws. Nil)

(Prov. Specn. 12 Pages;

Drgs. 2 Sheets.)

Inventor : CORNELIS MARTINUS LOK.

Application No. : 217/BOM/1991 filed on 24-7-1991.

Divisional to Application No. 123/BOM/1990 dated 16-5-1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

12 Claims

A process for the hydrogenation of unsaturated organic compounds, preferably fatty acids, characterised in that a reduced nickel/silica catalyst satisfying the following combination of features is used in this process.

- (1) a molar ratio of SiO₂/Ni = 0.15—0.400
- (2) an active nickel surface area above 120 m₂/g nickel
- (3) a BET surface area of which at least 55% is found with pores having a radius below 1.5 micrometers.

(Comp. Specn. 17 Pages;

Drgs. Nil.)

Ind. Cl. : 189 [LXVI (9)]

171889

Int. Cl. : A 61 K-7/075

AN AQUEOUS SHAMPOO COMPOSITION.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : DAVID ANDREW HITCHEN.

Application No. : 178/BOM/1991 filed Jun 18, 1991.

U. K. Convention Date Jun 20, 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

13 Claims

An aqueous shampoo composition comprising, in addition to water :—

- (a) from 2 to 40% by weight of surfactant chosen from anionic, nonionic or amphoteric surfactants, or mixtures thereof;
- (b) from 0.01 to 10% by weight of insoluble, non-volatile silicone;
- (c) from 0.1 to 5% by weight of a suspending polymer chosen from polyacrylic acid, cross-linked polymers of acrylic acid, copolymers of acrylic acid with a hydrophobic monomer, copolymers of carboxylic acid-containing monomers and acrylic esters, cross-linked copolymers of acrylic acid and acrylate esters, heteropolysaccharide gums, and mixtures thereof; and
- (d) from 0.01 to 5% by weight of titanium dioxide coated mica.

(Comp. Specn. 29 Pages;

Drgs. Nil)

Ind. Cl. : 40 B, Gr. [IV(1)]

171890

Int. Cl. : C07 B-35/02

PROCESS FOR THE HYDROGENATION OF UNSATURATED ORGANIC COMPOUNDS.

Applicants : HINDUSTAN LEVER LIMITED OR HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.
3—437 GI/92

Inventor : CORNELIS MARTINUS LOK.

Application No. : 217/BOM/1991 filed on 24-7-1991.

Divisional to Application No. 123/BOM/1990 dated 16-5-1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

12 Claims

A process for the hydrogenation of unsaturated organic compounds, preferably fatty acids, characterised in that a reduced nickel/silica catalyst satisfying the following combination of features is used in this process.

- (1) a molar ratio of SiO₂/Ni = 0.15—0.400
- (2) an active nickel surface area above 120 m₂/g nickel
- (3) a BET surface area of which at least 55% is found with pores having a radius below 1.5 micrometers.

(Comp. Specn. 17 Pages;

Drgs. Nil.)

Ind. Cl. : 49 H [XV]

171891

Int. Cl. A 47 J-27/09

A NOVEL, DUAL FUNCTION, DUAL METAL, THERMALLY FUSIBLE TYPE SAFETY RELEASE VALVE FOR USE IN DOMESTIC PRESSURE COOKERS.

Applicant : Hawkins cookers limited of F-101, Maker Towers, Cuffe Parade, Bombay-400 005, Maharashtra, India, an Indian Organization.

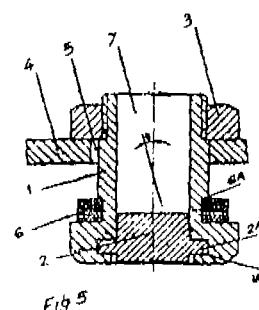
Inventor : Naranammalpuram Sankaran Subramanian.

Application No. 82/BOM/1990, filed on 11-4-1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

8 Claims

A novel, dual functioning, dual metal, Safety Release Valve which comprises, a fusible metal alloy material held within the bore of a hollow metallic retainer member, the stem of the said metallic retainer being adapted to be loosely and angularly held at angle of 10° to 25° to the vertical axis of the cooker by a holding member to an opening in the lid of the pressure cooker, the ratio of the diameter of the hole to the diameter or hole of the stem being 1.05 to 1.20th said stem also having a thin washer made of non-metallic resilient material and having a lift distance of 2 to 5 m.m. adapted to seal the opening in the lid of the pressure cooker automatically after substantially all the air is vented and due to the generation of steam.



(Comp. Specn. 15 Pages;

Drgs. 1 Sheet.)

Ind. Cl. 154 D [XXXVI (1)]

171892

Int. Cl. : B 41 F-19/00

A DEVICE FOR MARKING INFORMATION, SUCH AS BATCH NUMBERS, MANUFACTURING DATES, EXPIRY DATES, MAXIMUM PRICE, STATUTORY AND NON-STATUTORY CODES ON PACKAGES.

Applicant : KLAAS EQUIPMENT (P) LIMITED A COMPANY ORGANIZED AND EXISTING UNDER THE COMPANIES ACT, 1936, AT 167, DR. A. B. ROAD, WORLI, BOMBAY-400 018, MAHARASHTRA, INDIA.

Inventor : KIRAN NARAYAN GUPTA.

Application No. 200/Bom/1990 filed on 6-8-1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

10 Claims

A device for marking information, such as batch numbers, manufacturing dates, expiry dates, maximum price, statutory and non-statutory codes and the like, on packages in any form which includes :

a cylinder having valve means at both ends;

a piston plate carrying a piston rod, movably located within said cylinder;

said assembly of a cylinder and a piston plate being mounted on a housing, the side plates of which have a pair of primary slots and a pair of secondary slots running in the direction of said assembly of a cylinder and a piston plate;

a primary connector member secured to free end of said piston rod, and both ends of which protrude through said primary slots of side plates;

a pair of secondary connector members secured to said protruding ends of primary connector member, the free ends of which are at least in alignment with said pair of secondary slots of side plates;

an information carrying member having at least one pair of side arms, one located at either sides, consisting vertical grooves throughout the length of said arms, which is secured to free ends of the said pair of secondary connector members, via a connector pin passing through the said pair of secondary slots;

an inking cartridge mounted with said housing at its upper position and in alignment with said information carrying member, and

a pair of cams pivoted at the inner sides of said plates, just above the secondary slots and in alignment therewith, each having one vertical slot with curve shape at the centre and an inner side of the curve shape a stud which rest within the said grooves of the side arms of information carrying member.

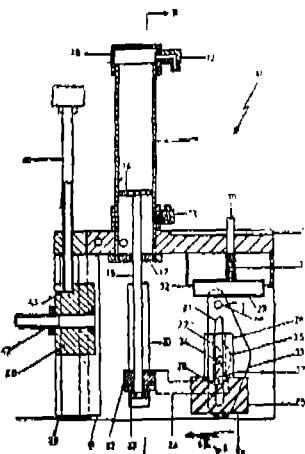


Fig. 1

(Comp. Specn. 16 Pages)

Drgs. 2 Sheets.)

Ind. Cl. : 189 [LXVI(9)]

171893

Int. Cl. : A 61 K 7/11

METHOD OF MAKING A HAIR SETTING COMPOSITION.

Applicants : HINDUSTAN LEVER LTD., 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) PETER GALLAGHER
(2) THOMAS McGEE
(3) EZAT KHOSHDEL.

Application No. 201/BOM/1990 filed on Aug. 7, 1990.

U. K. Convention date Aug 8, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay.

8 Claims

A method of making a hair setting composition comprising a derivative of polyaminoglycose glycan polymer complex dissolved in a mixture of an organic or aqueous organic solvent and a non-hydrogen-bound co-solvent, the method including the steps of :

reacting polyaminoglycose glycan polymer complex with an electrophile to form said derivative of said complex, said derivative being soluble in said mixture of solvent and co-solvent such that the composition comprises from 0.01 to 20% by weight of the composition of said derivative dissolved in said mixture of solvent and co-solvent which comprises from 5 to 90% by weight of the composition of said organic or aqueous organic solvent and from 5 to 90% by weight of the composition of said non-hydrogen-bonded co-solvent.

(Comp. Specn. 17 Pages;

Drgs. Nil.)

Ind. Cl. : 17 A₂ [XIV(2)]

171894

Int. Cl. : C 12 G — 3/02, C 12 M — 1/36, 1/32

A PLANT TO CARRY OUT SEMI-CONTINUOUS TYPE FERMENTATION PROCESS OF MOLASSES AND NON-MOLASSES MATERIALS.

Applicants : PRAJ COUNSELTECH PVT. LTD., 1216/6, FERGUSSON COLLEGE ROAD, PUNE 411004, MAHARASHTRA STATE, INDIA.

Inventors : (1) SHASHANK INAMDAR
(2) VIKAS KAKADE,
(3) NITIN SHETE.

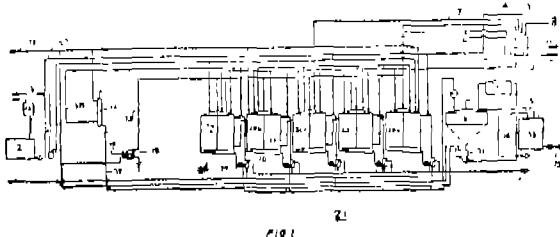
Application No. : 241/BOM/1990 Filed on Sept. 13, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

2 Claims

A plant to carry out semi-continuous type fermentation process of molasses and non-molasses material comprising pre-fermentation vessel/pre-fermentor wherein initially measured quantities of molasses, water, nutrients, yeast and acid to maintain requisite pH of around 4 to 4.5 and air let in to form the inoculum; the said pre-fermentor being provided with a cooling coil having cooling water inlet and outlet, a plurality of main fermentors which receive a small quantity of inoculum from the said pre-fermentor and additional measured quantities of molasses, water and air ore by one, a scrubber for passing there into CO₂ gas from each of the main fermentors, a stud through for receiving scrubbed liquid from the said scrubber, a plate type heat exchanger and a pump provided with each of the main fermentors for maintaining the fermentation temperature between 20° to 40°C; a wash settling tank for receiving fermentation wash from the said main fermentors, where the sludge and some other solid impurities are separated from the bottom and over flowing clarified wash containing ethyl alcohol.

are taken into a tank to be further carried to distillation section and a sludge settling tank for separating the sludge from the clear wash.



Comp. Specn. 6 pages, Drg. 1 sheet.

Ind. Cl. : 143C [XL (5)]

171895

Int. Cl. : B43 M 1/00

IMPROVED SEALING WIRE

Applicant & Inventor : MURLI BHAGWANDAS ROHRA, 23/B, HIRA CO-OPERATIVE HOUSING SOCIETY, OPP. OLD TELEPHONE EXCHANGE, ULHAS NAGAR-421003 DIST THANE, MAHARASHTRA INDIA.

Application No. 265/BOM/1990 filed Oct. 8, 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

3 Claims

1. An improved sealing wire comprising a metal wire of appropriate length and gauge having PVC coating on its entire length and said PVC coating is having moulded on it minute size letters/numbers/codes at specific moulded on intervals for identification and at central portion of the said wire a inseparable PVC capsule is moulded for embossing a distinct running number on its one side and name/monogram/code on its other side for individual identification.

Complete Specification 5 pages—Drg. 1 Sheet.

Ind. Cl. : 86 E, Gr. [LXVI (4)]

171896

Int. Cl. : A 47 H — 1/104, 1/08, 13/16.

AN IMPROVED CURTAIN RAIL SYSTEM.

Applicant : AJAY WINDECOR PRODUCTS PVT. LTD. 12, GURUDEEP SOCIETY, TULSHIBAGWALE COLONY, SAHAKAR NAGAR NO. 2, PUNE-411 009, MAHARASHTRA STATE, INDIA.

Inventor : RAVINDRA RAGHUNATH BAM.

Application No. : 267/BOM/1990 filed on 11th October, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

1 Claim

An improved curtain rail system comprising two extruded channel sections which act as rail for a curtain, one of the said sections is slightly smaller in dimension than the other section such that the second section is capable of telescoping over the first to increase or decrease the length of the rail, outer ends of the said sections are fixed in pulley housings which in turn are provided with a tension clip having a tension lock for a side bracket, the said side bracket being fixed on sides of a pelmet or a wall; there is provided a central support fixed on a wall and which holds the telescoping sections from top side with the help of a cam lock and a strip; there are provided carrier components which snugly fit in the longitudinal cavity of the rail sections, each of the carrier components is provided with a hole for passing a hook of a multi pronged pleat maker made of stiff wire, the

said prongs having blunt ends pass through pockets provided on a tape which is stitched on the upper portion of rear side of a curtain by which arrangement the curtain will gather to form pleats, the hook of the said multi pronged pleat maker is made to pass through the hole of the carrier component.

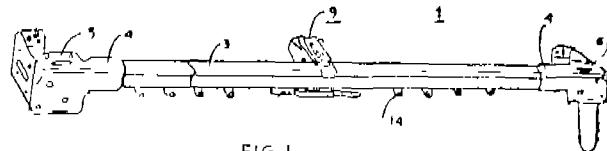


FIG 1

Comp. Specn. 5 pages, Drgs. 2 sheets

Ind. Cl. :—170 B Gr. [XLIII (4)]

171897

Int. Cl. :— C 11 D — 1/12, 3/08.

A BATCH PROCESS FOR THE PREPARATION OF A GRANULAR DETERGENT COMPOSITION.

Applicants : HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION BOMBAY- 400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventors : 1. DAVID GEORGE EVANS
2. GORDON GEORGE McLEOD
3. DONALD PETER
4. KORKUT REMZI YUREGIR

Application No. : 17/Bom/1991 filed on 15th January, 1991.

U. K. Priority date 19th January, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

21 Claims

A batch process for the preparation of a granular detergent composition or component having a bulk density of at least 650 g/litre, which process includes the step of neutralising a liquid acid precursor of an anionic surfactant with a solid water-soluble alkaline inorganic material, the process being characterised by the steps of :

(i) fluidising a particulate solid water-soluble alkaline inorganic material in an amount in excess of that required for neutralisation, optionally in admixture with one or more other particulate solids such as herein described, in a high speed mixer/granulator having both a stirring action and a cutting action;

(ii) adding the acid precursor to the high-speed mixer/granulator whereby the temperature of the contents of the high-speed mixer/granulator exceeds 55°C and neutralisation of the acid precursor by the water-soluble alkaline inorganic material occurs while the mixture remains in particulate form;

(iii) granulating the mixture in the high-speed mixer/granulator, in the presence of a liquid binder, whereby a granular detergent composition or component having a bulk density of at least 650 g/litre is formed.

Complete specification — 38 pgs; Drawings — Nil.

Ind. Cl. :—170 B [XLIII (4)]

171898

62 A2 [XXII (1)]

Int. Cl. :— C 11 D, 3/395.

LAW TEMPERATURE BLEACHING COMPOSITIONS.

Applicants : HINDUSTAN LEVER LTD., 165-166, BACKBAY, RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) DAVID JOHN BATAL & (2) STEPHEN ALAN MADISON.

Application No. 73/BOM/1991 Filed on 14th March, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

13 Claims

1. A bleaching composition comprising :

(i) from about 1 to about 60% by weight of a peroxygen compound;

(ii) from about 0.05 to about 10% of an oxygen transfer agent whose structure is;



wherein :

R1 may be a substituted or unsubstituted radical selected from the group consisting of hydrogen, phenyl, aryl, heterocyclic ring, alkyl and cycloalkyl radicals;

R2 may be a substituted or unsubstituted radical selected from the group consisting of hydrogen, phenyl, aryl, heterocyclic alkyl, cycloalkyl, $\text{R1C}=\text{NSO}_2\text{R3}$, nitro, halo, cyano, alkoxy, keto, carboxylic, and carboalkoxy radicals;

R3 may be a substituted or unsubstituted radical selected from the group consisting of phenyl, aryl, heterocyclic ring, alkyl, cycloalkyl, nitro, halo and cyano radicals;

R1 with R2 and R2 with R3 may respectively together form a cycloalkyl, heterocyclic, and aromatic ring system; and

(iii) from about 0.1 to about 40% of a bleach precursor that reacts with peroxide anion and forms therewith a peracid or perimidic acid.

Complete Specification 59 pages, Drgs Nil.

Ind. Cl. 77D, G [XI (1)] 171899

Int Cl : C11B—3/02, 3/10

A PROCESS FOR TREATING (UPGRADING) NEEM OIL HAVING HIGH FREE FATTY ACID CONTENT.

Applicants : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 AND HAVING ITS REGISTERED OFFICE AT HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : 1. VIJAY MUKUND NAIK, 2. MAYARA EASWARAN NARAYANAN NAMBUDIRY AND 3. MANJIT SINGH PANESAR.

Application and Provisional Specification filed on 19th March, 1991.

Complete after Provisional Specification left on 13th April, 1992.

Appropriate Office for Opposition Proceedings (Rules 4 Patents Rules 1972) Patent Office, Bombay Branch.

10 Claims

1. A process for treating (upgrading) neem oil having high free fatty acid content, comprising the following steps in sequence:

(i) esterifying, at least partially, the free fatty acids in the neem oil,

(ii) Contacting the esterified neem oil with at least one solvent such as herein described, and

(iii) Separating the oil and solvent phases and thereafter isolating the desired products therefrom in any conventional manner.

Prov Specn—10 pages

Drawing—Nil.

Comp Specn—12 pages

Drawing—Nil.

Ind. Cl. : 129 E, Gr. [XXXVI] 171900
Int. Cl. : B 21 J/1/04; B 25 D/5/00

An Improved Cold Forging Process for Making Marking Type Steel Punches.

Applicants : BRADMA OF INDIA LIMITED, PLOT NOS. C 17-18 ROAD NO. 16, WAGLE INDUSTRIAL ESTATE THANE 400 604, MAHARASHTRA STATE, INDIA.

Inventors : (1) MOOLCHAND BAHETI, (2) ULHAS GANESH SANE.

Application No. : 120/BOM/1991 filed on 2nd May, 1991.

Appropriate Office opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

2 Claims

An improved cold forging process for making marking type steel punches comprising a marking punch blank of a solid section made of tool steel having at its top surface a raised platform formed by milling process; a hob/tool made of tool steel provided at its one surface a female cavity conforming to the configuration of the character to be marked, by engraving process, characterised in that the said hob/tool is held in the hob/tool holder, keeping the surface having the said female cavity facing downward, the said marking punch blank is securely held below the said hob, the said platform facing upward, and on upward pressure being applied on the said marking punch blank from below; the said hob being made to oscillate along its vertical axis while the said marking punch platform being pressed against the female cavity in the hob whereby the metal portion of the said raised platform will occupy the said female cavity in the said oscillating hob to form a marking type steel punch.

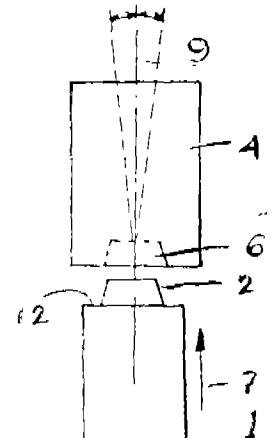


FIG-4

Comp. Specn. 5 pages,

Drg. 1 sheet.

PATENTS SEALED ON 01-01-93

168525 *F 168961 169195 *D 169479 169483 169492 169602
169603 169623 169633 169734 169735 * 169737 169738
169739 169763 169765 169772 169775 169778 169779 169784
169785 169786 169787 169788 169789 169799 169803 169806
169850 169902 169911 * 169919 * 169920 169922 169930
169934 169943 169945 *F 169969 169972 169976

Cal—18, Del—05, Mas—17 & Bcm—03.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patent, F—Food Patent.

RENEWAL FEES PAID

150109 151823 151909 152023 152790 153345 153581 153696
 154141 154808 154993 157925 158146 158241 161348 162154
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RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162430 granted to Krupp Koppers GmbH. for an invention relating to "Process for separating aromatics from hydrocarbon mixtures of any aromatics content."

The Patent ceased on the 7th December 1991 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 16th January 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 30th March 1993 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162656 granted to Krupp Koppers GmbH. for an invention relating to "process for separating aromatics from hydrocarbon mixtures of any aromatics content."

The Patent ceased on the 7th December 1991 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 16th January 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 30th March 1993 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 164512 granted to Jahir Cawas Mody, Indira Chandulal Shah & Nirmala Harkchand for an invention relating to "a word-building tile for use as a galadisplany board or a panel".

The Patent ceased on the 3rd December 1991 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 16th January 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 30th March 1993 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 166240 granted to International Business Machines Corporation for an invention relating to "an electronic character recognition system".

The Patent ceased on the 29th November 1991 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 16th January 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 30th March 1993 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 167059 granted to Reliance Electric Company for an invention relating to "a bearing lubrication device".

The Patent ceased on the 30th November 1991 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 16th January 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 30th March 1993 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1991.

The date shown in the each entries is the date of the registration of the design included in the entry.

Class 1. No. 164544. Geep Industrial Syndicate Limited, Manufacturers, of 28, South Road, Allahabad, U.P., India, an Indian Company. "Torch". July 15, 1992.

Class 3. No. 164207. Ambitious Writing Instruments, 49, West Avenue, Punjabi Bagh Delhi, India, Indian Partnership Firm. "Filling system for pen". April 1, 1992.

Class 3. No. 164437. Schoeller-Plast AG, Joint Stock Company, 11 route de la Condemine, CH-1680

Romont, Switzerland. "Bottle Case". June 4, 1992.

Class 3. No. 164493. Patton Tanks Limited of 3-C Camac Street, Calcutta-700016, West Bengal, India, an Indian Company. "Container". June 29, 1992.

Class 3. No. 164615. Time Packaging Ltd. of 604, Vishwananak, I.C.T. Link Road, Chakala, Andheri (E), Bombay-400 099, Maharashtra, India, Indian Company. "Jerrycan Sealing Gasket". July 21, 1992.

Class 3. No. 164684. The Goodyear Tire & Rubber Co. of 1144, East Market Street, Akron, Ohio-44316-0001, U.S.A. "Tyre for a vehicle wheel". August 20, 1992.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks